

40



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200
Fax 613 632-5246

D6101-003
Job Sheet 204385



19 L.L. DEC 16 2019 S240460

Part No: D6101-003

Job Qty: 20 pcs

Part Name: Saddle Billet, 7075



Part Weight: 0 lbs

Status: New

Priority: Medium

Job Created: 12/9/19

Job Tracking No:

Due Date: 1/10/20

Created By: Chantal Lavoie

Type: Stock

Description:

Note: DWG REV B

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier	Sign-off
					Setup Hrs	Run Hrs		
100	Purchasing	20 pcs	1/10/20	1/10/20	0.00	0.00	Purchasing - 1	DEC 17 2019
							Purchasing - 2	
							Purchasing - 3	
110	Packaging 2-1 - Receive - B4B	20 pcs	1/10/20	1/10/20	0.00	0.00	Packaging 2 - 1 - B4B	DEC 17 2019
							Packaging 2 - 2 - B4B	
							Packaging 2 - 3 - B4B	
							Packaging 2 - 5 - B4B	
							Packaging 2 - 4 - B4B	
							Packaging 2 - 6 - B4B	
							Packaging 2 - 7 - B4B	
							Packaging 2 - 8 - B4B	
							Packaging 2 - 9 - B4B	
							Packaging 2 - 10 - B4B	
							Packaging 2 - 11 - B4B	
							Packaging 2 - 12 - B4B	
							Packaging 2 - 13 - B4B	
							Packaging 2 - 14 - B4B	
							Packaging 2 - 15 - B4B	
							Packaging 2 - 16 - B4B	
							Packaging 2 - 17 - B4B	
							Packaging 2 - 18 - B4B	
							Packaging 2 - 19 - B4B	
							Packaging 2 - 20 - B4B	
							Packaging 2 - 21 - B4B	
							Packaging 2 - 22 - B4B	
							Packaging 2 - 23 - B4B	
							Packaging 2 - 24 - B4B	
							Packaging 2 - 25 - B4B	
							Packaging 2 - 26 - B4B	
							Packaging 2 - 27 - B4B	
							Packaging 2 - 28 - B4B	

120 QC 18	20 pcs	1/10/20	0.00 0.00	Packaging 2 - 29 - B4B	
				Packaging 2 - 30 - B4B	
				Packaging 2 - 31 - B4B	
				Packaging 2 - 32 - B4B	
				Packaging 2 - 33 - B4B	
				Packaging 2 - 34 - B4B	
				Packaging 2 - 35 - B4B	
				Packaging 2 - 36 - B4B	
				QC 18 - 12	
				QC 18 - 14	
				QC 18 - 22	
				QC 18 - 25	
				QC 18 - 48	
				QC 18 - 58	
130 Packaging 3-1 - Stock - B4B	20 pcs	1/10/20	0.00 0.00	QC 18 - 61	
				QC 18 - 9	
				QC 18 - 81	
				Packaging 3 - 1 - B4B	
				Packaging 3 - 2 - B4B	
				Packaging 3 - 3 - B4B	
				Packaging 3 - 4 - B4B	
				Packaging 3 - 5 - B4B	
				Packaging 3 - 6 - B4B	
				Packaging 3 - 7 - B4B	
				Packaging 3 - 8 - B4B	
				Packaging 3 - 9 - B4B	
				Packaging 3 - 10 - B4B	
				Packaging 3 - 11 - B4B	
140 QC 21 - SA	20 pcs	1/10/20	0.00 0.00	Packaging 3 - 12 - B4B	
				Packaging 3 - 13 - B4B	
				Packaging 3 - 14 - B4B	
				Packaging 3 - 15 - B4B	
				Packaging 3 - 16 - B4B	
				Packaging 3 - 17 - B4B	
				Packaging 3 - 18 - B4B	
				Packaging 3 - 19 - B4B	
				Packaging 3 - 20 - B4B	
				Packaging 3 - 21 - B4B	
				Packaging 3 - 22 - B4B	
				Packaging 3 - 23 - B4B	
				Packaging 3 - 24 - B4B	
				Packaging 3 - 25 - B4B	
				Packaging 3 - 26 - B4B	
				Packaging 3 - 27 - B4B	
				Packaging 3 - 28 - B4B	
				Packaging 3 - 29 - B4B	
				Packaging 3 - 30 - B4B	
				Packaging 3 - 31 - B4B	
				Packaging 3 - 32 - B4B	
				Packaging 3 - 33 - B4B	
				Packaging 3 - 34 - B4B	
				Packaging 3 - 35 - B4B	
				Packaging 3 - 36 - B4B	
140 QC 21 - SA	20 pcs	1/10/20	0.00 0.00	QC 21 - SA - 21	
				QC 21 - SA - 70	
				QC 21 - SA - 53	

DAS
81
9-89

DEC 17 2019

87 19-12-17

DAS
21
9-89

DEC 17 2019

Part Op 100 - Issue P/O: _____ a)Description: Alluminum billet b) 7.875" x 6.250" x 2.00" thick c) Tolerance on all
Descriptions: dimensions are +0.030"/-0.000" d) Grain direction along 7.875" length e) Material: 7075-T7351 (QQ-A-250/12) f) Material
certification required

- 110 - (Receive & Inspect for Damage & Mat'l Certs), Ensure material certification is attached
- 120 - Ensure Material certification comply to Dwg D6101
- 130 - (Identify as per dwg & Stock Location: _____), LOCATION: MAT046
- 140 - (QC21- Final Inspection - Work Order Release)

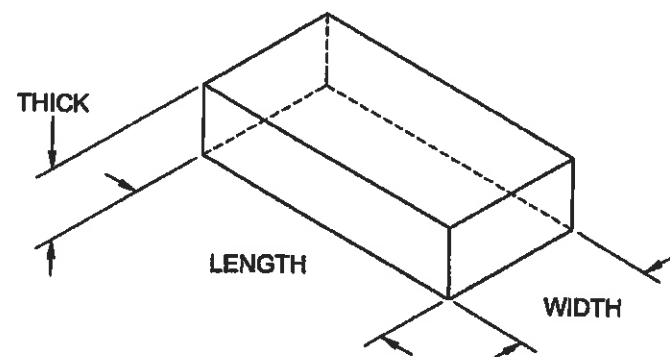
Job BOM				
Part / Item	Component Name	Quantity	Operation	Container
D6101-003P	7075-T7351 2X6.25X7.875	20 pcs (1 ea)	100-Purchasing	5240277
Job Allocations				
Operation	Component Part	Required	Inventory	Allocated
100-Purchasing	D6101-003P	20	0	0
Part Specifications				
Specifications could not be found.				

Plex 12/9/19 11:00 AM Dart.Lavoie.Chantal

LIME 1
D6101-003

H/T 9456036

SPECIFICATION CONTROL DRAWING



PURCHASE MATERIAL ACCORDING TO THE FOLLOWING TABLE. SPECIFY ALLOY, LENGTH x WIDTH x THICK (+0.030/-0.000), AND GRAIN DIRECTION AS SHOWN.

TOLERANCES ON ALL DIMENSIONS ARE +0.030/-0.000.

ALL DIMENSIONS ARE IN INCHES.

B ACCEPTABLE SPECIFICATIONS FOR 7075-T7351 ALUMINUM ARE AMS-QQ-A-250/12, QQ-A-250/12, OR ASTM B209 *6003*

Part No.	Alloy	Length	Width	Thick	Grain Direction
D6101-001	7075-T7351 (QQ-A-250/12)	6.000	6.250	2.000	Along 6.000 Length
D6101-003	7075-T7351 (QQ-A-250/12)	7.875	6.250	2.000	Along 7.875 Length
D6101-005	7075-T7351 (QQ-A-250/12)	5.000	8.250	2.500	Along 5.000 Length
D6101-007	7075-T7351 (QQ-A-250/12)	7.750	8.250	2.500	Along 7.750 Length
D6101-009	7075-T7351 (QQ-A-250/12)	8.700	8.250	2.500	Along 8.700 Length
D6101-011	7075-T7351 (QQ-A-250/12)	9.700	8.250	2.500	Along 9.700 Length
D6101-013	7075-T7351 (QQ-A-250/12)	10.100	8.250	2.500	Along 10.10 Length
D6101-015	7075-T7351 (QQ-A-250/12)	9.450	6.250	2.500	Along 9.450 Length
D6101-017	7075-T7351 (QQ-A-250/12)	6.350	6.250	2.250	Along 6.350 Length

RELEASED
09/07/15/WP

B	ADDED D6101-015/-017, ADD ASTM B209	RF	09.04.23
A	NEW ISSUE	CP	01.03.30
REV.	DESCRIPTION	BY	DATE
DESIGN	CP	DART AEROSPACE LTD	
DRAWN	RF	HAWKESBURY, ONTARIO, CANADA	
CHECKED	<i>[Signature]</i>	DRAWING NO.	REV. B
MFG. APPR.	<i>[Signature]</i>	D6101	SHEET 1 OF 1
APPROVED	<i>[Signature]</i>	TITLE	SCALE
DE APPR.	<i>[Signature]</i>	SADDLE BILLET, 7075	NTS
DATE	09.04.23	COPYRIGHT © 2001 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.	



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER
POHB045345



Supplier: MEC002-VU
Metaux Castle
P.O. Box 4090 Stn A
Toronto
ON
M5W 0E9 Canada

PO No:	POHB045345
PO Date:	12/9/19
Due Date:	1/14/20
Purchase Order	
Revision:	

DEC 09 2019

Ship To: 1270 Aberdeen Street
Hawkesbury
ON
K6A 1K7 Canada
Phone: 613-632-5200

Ship-To Contact: Lavoie, Chantal
Phone: 613-623-5200 Ext: 242
Fax: 613-632-1053
clavoie@dartaero.com

Via:	Ground
Pymt Terms:	Net 60

Freight Terms:**Special Comments:**

Items													
Line Item	Job	Part	Drawing	Supplier Part No	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (USD)	Extended Price
1		D6101-003P	D6101 REV. B	72742	7075-T7351 2X6.25X7.875 : Various STC's AS PER DWG D6101 REV. B SIZE: 7.875" X 6.250" X 2.00" THICK GRAIN DIRECTION ALONG 7.875" LENGHT MATERIAL: 7075-T7351 QQ-A-250/12 TOLERANCE AS PER QUOTE +.030"/-.000"	Firmed	-	1/14/20	20 pcs	0 pcs 19 PCS 663	20 pcs	\$38.82/pcs	\$776.40
DEC 13 2019													
2		D6101-015P	D6101 REV. B	72741	Aluminum Billet : Various STC's As per Dwg D6101 Rev. B	Firmed	-	1/14/20	20 pcs	0 pcs 20 PCS 663	20 pcs	\$57.20/pcs	\$1,144.00
DEC 13 2019													
3		D6101-017P	D6101 REV. B	72740	Aluminum Billet : Various STC's As per Dwg D6101 Rev. B	Firmed	-	1/14/20	20 pcs	0 pcs 20 PCS 663	20 pcs	\$32.64/pcs	\$652.80
DEC 13 2019													



Dart Aerospace Ltd.

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K6A 1K7

Canada

Tel (613) 632-5200

PURCHASE ORDER

POHB045345



Items													
Line Item	Job	Part	Drawing	Supplier Part No	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (USD)	Extended Price
4		D6104-003P	D6104 REV. B		17-4 SS Roundbar 3.25"Od : AS PER DWG D6104 REV. B MAT'L 17-4 PH PER AMS 5643 OR AISI 630 SIZE: 3.250" DIA X 3.80" LENGTH	Firmed	-	1/14/20	10 pcs	0 pcs	10 pcs	\$26.70/pcs	\$267.00
Grand Total:													\$2,840.20

Order Notes

Procurement Quality Clauses

A005 right of entry

A012 chemical and physical test report

A016 personnel qualification

A017 raw material identification (as applicable). No Raw Metals from China or Soviet Bloc Countries. (DFARS)

A026 certification of material conformance

A041 quality management system

A042 dart notification by supplier

A043 retention of quality documents

A048 counterfeit parts avoidance, detection, mitigation and disposition program.

A049 supplier awareness.

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Plex 12/9/19 11:14 AM Dart.Lavoie.Chantal

LINE 1



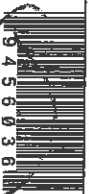
Castle Metals®

A. M. Castle & Co.

PACKING SLIP/
CERTIFICATE OF CONFORMANCE

Shipment No:4058416

Ship From:		Sold To:		Ship To:		Deliver To:	
A. M. CASTLE & CO. 2150 ARGENTIA ROAD MISSISSAUGA, ON L5N 2K7 CAN		DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY, ON K6A 1K7 CA		DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY, ON K6A 1K7 CAN		DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY, ON K6A 1K7 CA	
Date Shipped	Inco Terms	Freight Terms		Carrier		BOL No	
11-DEC-19	FCA HAWKESBURY ON CAN	Prepaid & Add		LOCAL_FLEET		4058416-7	

Shipment Details				Final Destination Branch - TOR			
Order No	Line No	Item No	Description				
5677416	1	72742	2.0000.P.L.7075.T7351.ALUMINUM.GRAIN TO RUN ALONG 7.875 IN.6.2500.7.8750 SPECIFICATIONS: AMS-QQ-A-250/12				
Purchase Order No POHB045345	Part Number YOUR ITEM NUMBER: D6101-003	Ordered Qty 20.00 PCS		Invoice Qty 19.00 PCS			
Details		ALL PAPERWORK MUST FOLLOW ORDER / CUSTOMER MUST RECEIVE AT TIME OF DELIVERY ALL MATERIAL MUST HAVE IDENTIFYING MARKINGS EX:HEAT #S Email P/s and certs to: clavoie@dartaero.com END USER: DART AEROSPACE END USE: COMMERCIAL AIRCRAFT PARTS					
Delivery No. 123033094	Mill CONSTELLUM ROLLED PRODUCTS	Heat Number  845603611	Mech Id	PCS 19	Width (in) 7.8750	Length (in) 6.2500	Shipped Qty(LBS) 193.0571

These items are controlled by the U.S. Government and authorized for export only to the country of ultimate destination for use by the ultimate consignee or end-user(s) herein identified. They may not be resold, transferred, or otherwise disposed of, to any other country or to any person other than the authorized ultimate consignee or end-user(s), either in their original form or after being incorporated into other items, without first obtaining approval from the U.S. Government or as otherwise authorized by U.S. law and regulations.

We hereby certify the material covered by this certification conforms in accordance with the above specifications and has been found to meet the applicable requirements for the material, including any specifications forming a part of the description. Test reports are on file subject to examination. All claims for defective material are waived unless made in writing to A.M. Castle & Co. within 60 days of the shipment. Material out to the correct size, or material out by the customer cannot be returned for credit.

ONE



Castle Metals®

A. M. Castle & Co.

PACKING SLIP/
CERTIFICATE OF CONFORMANCE

Reviewed by Authorized Castle Metals Representative:

DEC 11 2019

Date:

Name:

Shane

Page 2 of 2



KEEP MATERIAL DRY
PACKING LIST

SHIP TO				DELIVERY NUMBER		RECEIVING HOURS MONDAY THRU FRIDAY 9 AM TO 2:30 PM, CALL AT MINIMUM 24 HR PRIOR TO ARRIVAL FOR APPT. 316-522-5900.			
A M CASTLE CO 3050 SO HYDRAULIC WICHITA,KS				110777239					
				SHIPMENT INFO.					
				07/09/2019 07:50:00					
CUSTOMER PO NO.				CUSTOMER PART NO.		ORIGINAL PROMISE			
503663				752237		07/19/2019			
ITEM DESCRIPTION				ORDER NO.		MAIN CUSTOMER SPECIFICATION			
SPEC PLATE, SAWED MILL FINISH				274033		AMS 4078K			
ALLOY	CLAD	TEMPER	GAUGE	WIDTH	LENGTH	GOVERNMENT CONTRACT NO.			
7075		T7351	2.00000 IN 50.80 MM	48.50000 IN 1.232 MM	144.50000 IN 3.670 MM				
TICKET NO.	LOC	LOT NO.	PARENT LOT	PIECES	GROSS WT.	TARE WT.	NET WT.	SERIAL NUMBERS	
1002095538	A24M	9456036		000002	2,940.000 LB	90.000 LB	2,850.000 LB		
1002095539	A25W	9456036		000001	1,515.000 LB	90.000 LB	1,425.000 LB		
1002095576	A24M	9456037		000002	2,930.000 LB	90.000 LB	2,840.000 LB		
1002095577	A24M	9456037		000001	1,510.000 LB	90.000 LB	1,420.000 LB		
SOURCE INSPECTION N AMC CA-15413A R 11									
COMMODITIES, TECHNOLOGY, OR SOFTWARE EXPORTED FROM U.S. IN ACCORDANCE TO EXPORT ADMIN REGULATIONS DIVERSION CONTRARY TO U.S. LAW PROHIBITED									
									
TOTAL SKIDS	TOTAL PIECES	TOTAL GROSS	TOTAL TARE	TOTAL NET WT.	PLANNED DATE	B/L NO.			
00004	000006	8895.000 LB	360.000 LB	8,535 LB	07/16/2019	120776			
ROUTE: 09US03						DEL.CARRIER:BESL			



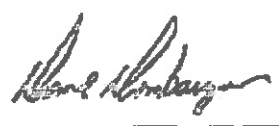
Constellium Rolled Products
Ravenswood, LLC

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A M CASTLE CO
3050 SO HYDRAULIC
WICHITA KS
67216
US

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A M CASTLE
1420 KENSINGTON ROAD, SUITE 220
OAK BROOK IL
60523
US

A M CASTLE		110777239		4776		INCLUSION		Serial:20190708-0110777239		Pg 1of3	
CUSTOMER PURCHASE ORDER NO. & ITEM 503663						Constellium ORDER NO. 274033					
ALLOY 7075		CLAD		TEMPER T7351		GAUGE 2.00000 in 50.80 mm		WIDTH 48.50000 in 1,232 mm		LENGTH 144.50000 in 3,670 mm	
ITEM ORDERED SPEC PLATE, SAWED MILL FINISH											
CUSTOMER SPECIFICATION AMS 4078K											
PART NUMBER 752237				B/L NUMBER 120776				DATE SHIPPED 07/09/2019			
WT. SHIPPED 8535.000 LB				NO. OF PIECES 000006				GOVT. CONTRACT NO.			
CERTIFICATION "Constellium Rolled Products, hereby certifies that metal shipped under this order has been inspected and found in conformance with the requirements of the applicable specifications as indicated herein. Any warranty is limited to that shown on Constellium Rolled Products' standard General Terms and Conditions of Sales. Test reports are on file, subject to examination." Constellium Rolled Products Ravenswood, LLC 859 Century Road P.O. BOX 68 RAVENSWOOD, WV 26164 USA  Dave Dunbarger - Laboratory Manager											

ALL LOTS ON THIS CERTIFICATION ALSO CONFORM TO THE FOLLOWING REQUIREMENTS:

ASTM B594 REV 13 2013 100% SONIC W/ 0.12" DEADZONE Class A
AMS QQ-A-250/12A
AMS-STD-2154C 2017 TYPE1 CLASS A 100% SONIC MINUS DEADZONE
ASTM B209-14
BSS-7055B 2013 CLASS A 100% SONIC TESTED MINUS DEADZONE
CMMP025 REV V
CST1006 REV E 2011 CLASS A 100% SONIC MINUS DEADZONE
DPS 4.713 REV AK 2012 CLASS A 100% SONIC MINUS DEADZONE
GAMPS 9101 REV B 2006 CLASS A 100% SONIC MINUS DEADZONE
MMS 159T
PS 21211P 2010 CLASS A 100% SONIC MINUS DEADZONE

Load Details

Package	Net Lbs	Kg	Lot	Piece	Serial	Parent Lot
1002095538	1,425.000	646.369	9456036	01		
1002095538	1,425.000	646.369	9456036	02		
1002095539	1,425.000	646.369	9456036	03		
1002095576	1,420.000	644.101	9456037	01		
1002095576	1,420.000	644.101	9456037	02		
1002095577	1,420.000	644.101	9456037	03		

Lot: 9456036 (See test results below)

Tensile - Room Temperature (US)

		Ultimate (KSI)		Yield (KSI)		Elongation (%)		Report
Direction	Tests	Min	Max	Min	Max	Min	Max	
LT	02	73.7	74.2	63.3	63.9	12.0	12.0	





Constellium Rolled Products
Ravenswood, LLC

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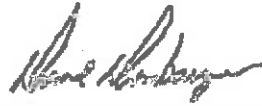
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A M CASTLE CO
3050 SO HYDRAULIC
WICHITA KS
67216
US

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A M CASTLE
1420 KENSINGTON ROAD, SUITE 220
OAK BROOK IL
60523
US

A M CASTLE		110777239		4776		INCLUSION		Serial:20190708-0110777239		Pg 2of3	
CUSTOMER PURCHASE ORDER NO. & ITEM 503863						Constellium ORDER NO. 274033					
ALLOY 7075		CLAD		TEMPER T7351		GAUGE 2.00000 in 50.80 mm		WIDTH 48.50000 in 1,232 mm		LENGTH 144.50000 in 3,670 mm	
ITEM ORDERED SPEC PLATE, SAWED MILL FINISH											
CUSTOMER SPECIFICATION AMS 4078K											
PART NUMBER 752237				B/L NUMBER 120776				DATE SHIPPED 07/09/2019			
WT. SHIPPED 8535.000 LB				NO. OF PIECES 000006		GOVT. CONTRACT NO.					
										CERTIFICATION "Constellium Rolled Products, hereby certifies that metal shipped under this order has been inspected and found in conformance with the requirements of the applicable specifications as indicated herein. Any warranty is limited to that shown on Constellium Rolled Products' standard General Terms and Conditions of Sales. Test reports are on file, subject to examination." Constellium Rolled Products Ravenswood, LLC 859 Century Road P.O. BOX 68 RAVENSWOOD, WV 26164 USA  Dave Dunbarger - Laboratory Manager	
Tensile - Room Temperature (Si)											
		Ultimate (N/MM2)		Yield (N/MM2)		Elongation (%)		Report			
Direction	Tests	Min	Max	Min	Max	Min	Max				
LT	02	508	512	436	441	12.0	12.0				
Conductivity % IACS MIN 40.1 MAX 40.7 % MS/M MIN 23.3 MAX 23.6											
Chemistry (Actual)											
	SI	FE	CU	MN	MG	CR	ZN	TI	ZR		
Core	0.08	0.13	1.54	0.03	2.58	0.21	5.82	0.03	0.01		
OTHERS-EACH: .05 MAX. OTHERS TOTAL: .15 MAX. AL REMAINDER											
All material contained in this lot was cast and manufactured in the USA											
Lot: 9456037 (See test results below)											
Tensile - Room Temperature (US)											
		Ultimate (KSI)		Yield (KSI)		Elongation (%)		Report			
Direction	Tests	Min	Max	Min	Max	Min	Max				
LT	02	73.7	73.9	63.1	63.7	12.5	12.5				
											



Constellium Rolled Products
Ravenswood, LLC

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A M CASTLE CO
3050 SO HYDRAULIC
WICHITA KS
67216
US

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A M CASTLE
1420 KENSINGTON ROAD, SUITE 220
OAK BROOK IL
60523
US

A M CASTLE		110777239		4778		INCLUSION		Serial:20190708-0110777239		Pg 3of3	
CUSTOMER PURCHASE ORDER NO. & ITEM 503663						Constellium ORDER NO. 274033					
ALLOY 7075	CLAD	TEMPER T7351	GAUGE 2.00000 in 50.80 mm	WIDTH 48.50000 in 1,232 mm	LENGTH 144.50000 in 3,670 mm	CERTIFICATION "Constellium Rolled Products, hereby certifies that metal shipped under this order has been inspected and found in conformance with the requirements of the applicable specifications as indicated herein. Any warranty is limited to that shown on Constellium Rolled Products' standard General Terms and Conditions of Sales. Test reports are on file, subject to examination." Constellium Rolled Products Ravenswood, LLC 859 Century Road P.O. BOX 68 RAVENSWOOD, WV 26164 USA  Dave Dunberger - Laboratory Manager					
ITEM ORDERED SPEC PLATE, SAWED MILL FINISH											
CUSTOMER SPECIFICATION AMS 4078K											
PART NUMBER 752237		B/L NUMBER 120776		DATE SHIPPED 07/09/2019							
WT. SHIPPED 8535.000 LB		NO. OF PIECES 000006		GOVT. CONTRACT NO.							
Tensile - Room Temperature (SI)											
		Ultimate (N/MM2)		Yield (N/MM2)		Elongation (%)		Report			
Direction	Tests	Min	Max	Min	Max	Min	Max				
LT	02	508	510	435	439	12.5	12.5				
Conductivity % IACS MIN 39.8 MAX 40.5 % MS/M MIN 23.1 MAX 23.5											
Chemistry (Actual)											
	SI	FE	CU	MN	MG	CR	ZN	TI	ZR		
Core	0.08	0.13	1.54	0.03	2.58	0.21	5.82	0.03	0.01		
OTHERS-EACH: .05 MAX. OTHERS TOTAL: .15 MAX. AL REMAINDER											
All material contained in this lot was cast and manufactured in the USA											
QUALITY TEXTS: AMC CA-15413A R 11											
THIS TEST REPORT SHALL NOT BE REPRODUCED EXCEPT IN FULL, WITHOUT THE WRITTEN APPROVAL OF THE LABORATORY OR AUTHORIZED QUALITY DELEGATE. THE RECORDING OF FALSE, FICTITIOUS, OR FRAUDULENT STATEMENTS OR ENTRIES ON THE CERTIFICATE MAY BE PUNISHED AS A FELONY UNDER FEDERAL LAW. CHEMISTRY BY OES: ARKSPARK CHEMISTRIES REPORTED IN PERCENTAGE BY WEIGHT WHEN FRACTURE TOUGHNESS TEST REQUIRED, TESTED PER ASTM E399. WHEN SMOOTH FATIGUE TESTED, TESTED PER ASTM E466. WHEN TENSILE TEST REQUIRED, TESTED PER ASTM E8; B557 DUNS Number: 090570149; CAGE Code: 1YWL9 100% Type I (immersion sonic) used when ultrasonic inspection performed. Mercury is not a normal contaminant in aluminum alloys and neither mercury nor any of its compounds were utilized in the manufacture of our product.											
P-860-155D REVISED: 01 2018											



LINE 1

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: D6101-003
DATE: DEC 12 2019

PO / BATCH NO.: POH3045345
⇒ S240277

MATERIAL CERT REC'D: YES
QUANTITY RECEIVED: 19 PCS
QUANTITY INSPECTED: 19 PCS
QUANTITY REJECTED: —

THICKNESS ORDERED: 2.000
THICKNESS RECEIVED: 2.000
SHEET SIZE ORDERED: 6.25 X 7.875
SHEET SIZE RECEIVED: 6.25 X 7.875

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y ☒ N ☐	
CORRECT FINISH	☒ Y ☐ N	
CORROSION	Y ☒ N ☐	
CORRECT GRAIN DIRECTION	☒ Y ☐ N	
CORRECT MATERIAL PER M-DRAWING	☒ Y ☐ N	ASTM B 209
CORRECT THICKNESS	☒ Y ☐ N	
PHOTO REQUIRED	Y ☒ N ☐	
CORRECT REF # TO LINK CERT	☒ Y ☐ N	HIT 9456036
CORRECT MATERIAL IDENTIFICATION	☒ Y ☐ N	
CORRECT M# ON THE MATERIAL	☒ Y ☐ N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y ☒ N ☐	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y ☒ N ☐	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
	HRC	HRB	DUR A	DUR D	WEBSTER
TYPE OF MATERIAL					
SIZE OF TEST SAMPLE					
HARDNESS / DUROMETER READING					

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>82</u> <u>9-89</u>	SIGNED OFF BY: _____
DATE: <u>DEC 12 2019</u>	DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in